

# Hyperfold

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## Key features:

- Compact folded horn-loaded upper bass loudspeaker
- High power density in a compact footprint
- Exceptional upper bass speed and articulation
- Four high power 15" low frequency drivers
- Distinctive aluminium cabinet bracing
- 18 mm birch plywood construction
- Textured 'TourCoat' polyurea finish

## Applications:

- High impact nightclub
- Bar, club, lounge
- Live music venues



The urge to dance predominantly comes from the upper bass frequencies, where the kick and finer details of the bass are found. As a dedicated enclosure responsible for the critical upper bass speed and articulation, the Hyperfold has multiple drivers to keep up with the extraordinary efficiency of all the other elements within the Incubus system. When arrayed, two Hyperfolds paired in the upper bass region deliver an output far beyond comparable sized enclosures, with very low distortion levels.

## Specifications

Frequency Response	60 Hz - 190 Hz $\pm 3$ dB
Efficiency <sup>1</sup>	109.5 dB 1W/1m
Crossover Points	Preset via dedicated processor
Nominal Impedance	2 x 4 $\Omega$
Power Handling <sup>2</sup>	4000 W AES
Maximum Output <sup>3</sup>	142 dB cont, 145 dB peak
Driver Configuration	4 x 15" low frequency drivers
Connectors	2 x 4-pole speakON™ NL4
Weight	150 kg (330.7 lbs)
Enclosure	18 mm birch plywood
Finish	Textured 'TourCoat' polyurea, smooth cellulose

<sup>1</sup> Measured in half space <sup>2</sup> AES2 - 1984 compliant <sup>3</sup> Calculated

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## Architectural specifications

The loudspeaker shall be an active manifold horn loaded sub system consisting of four high power 15" (381 mm), long excursion, low frequency (LF) transducers mounted in a birch plywood enclosure.

Each low frequency transducer shall be constructed on a cast aluminium frame, with a treated paper cone, 101.6 mm (4") voice coil, wound with copper wires on a high quality voice coil former for high power handling and long-term reliability.

Performance specifications for a typical production unit shall be as follows: the usable bandwidth shall be 60 Hz to 190 Hz ( $\pm 3$  dB); maximum SPL of 145 dB peak (142 dB continuous) measured at 1 m using IEC268-5 pink noise. Power handling shall be 4000 W AES at a rated impedance of  $2 \Omega$  ( $2 \times 4 \Omega$ ) with pressure

sensitivity at 109.5 dB measured at 1W/1m. The system shall be powered by its own dedicated power amplification module with DSP management. The wiring connection shall be via two Neutrik speakON™ NL4 (one for input and one for loop-out to another speaker), allow for pre-wiring of the connector before installation.

The enclosure shall be constructed from 18 mm multi-laminate birch plywood coated with textured polyurea with a smooth cellulose finish. It shall have a lightweight aluminium bracing and external dimensions of (H) 748 mm x (W) 738 mm x (D) 1218 mm (29.4" x 29.1" x 47.9"). Weight shall be 150 kg (330.7 lbs).

The loudspeaker shall be the Void Acoustics Hyperfold.

